

**List of Significant Changes
In the
Manual on Uniform
Traffic Control Devices
For Streets and Highways

2003 Edition**

PART 1 GENERAL

CHAPTER 1A. GENERAL

Section 1A.10 Interpretations, Experimentations, Changes, and Interim Approvals

- Procedures for Interim Approvals were added throughout the section, and in Figure 1A-2

Section 1A.11 Relation to Other Publications

- Standard Highway Signs book and Color Specifications (23 CFR 655) incorporated by reference into MUTCD
- 11 additions to list of referenced documents
- Latest dates for all publications cited

Section 1A.12 Color Code

- New color fluorescent pink assigned for optional use on Incident Management signs

Section 1A.13 Definitions of Words and Phrases in This Manual

- Revised and added definitions
- The term “Preferential Lane Markings” is no longer used

Table 1A-1 Acceptable Abbreviations

- Revised and added abbreviations

Table 1A-2 Abbreviations That Are Acceptable Only with a Prompt

- Added abbreviations to the table

PART 2 SIGNS

CHAPTER 2A. GENERAL

Section 2A.06 Design of Signs

- Internet addresses shall not be shown on roadway signs
- Phone numbers with greater than 4 characters should not be used

Section 2A.07 Changeable Message Signs

- New STANDARD and OPTION added to provide greater clarity when using Changeable Message Signs

Section 2A.08 Retroreflectivity and Illumination

- Added a STANDARD for illuminating signs using LED's and modified Tables 2A-1 and 2A-2

Figure 2A-2 Examples of Locations for Some Typical Signs at Intersections

- Lateral dimensions were changed

Section 2A.19 Lateral Offset

- The lateral offset requirements were changed significantly from those specified in previous manual (2000)
- Crashworthiness of sign supports must meet the lateral offset requirements for speed limits 50 mph or greater
- **Compliance date – January 17, 2013**

Section 2A.21 Posts and Mountings

- An OPTION was added allowing the placement of a strip of retroreflective material on regulatory and warning sign supports
- A STANDARD was added describing the size, placement and color of this material

Section 2A.23 Median Opening Treatments for Divided Highways with Wide Medians

- The STANDARD requiring that intersections on divided highways where the median opening is 30 ft. or more be signed as two separate intersections was changed to GUIDANCE

CHAPTER 2B. REGULATORY SIGNING

Table 2B-1 Regulatory Sign Sizes

- This chart was modified by adding, removing, and renaming signs, and by adding additional sign sizes
- The sizes increased for the ONE WAY (R6-2) sign and the DIVIDED HIGHWAY CROSSING (R6-3, R6-3a) signs for all roads
- Sign sizes were added for the above mentioned signs and the ONE WAY (R6-1) sign in the Freeway and Expressway columns
- **Compliance date – December 22, 2013**

Section 2B.06 Stop Sign Placement

- Guidance was added to clarify that, other than a DO NOT ENTER sign, no other sign should be mounted back-to-back with a STOP sign in a manner that obscures the shape
- **Compliance date – December 22, 2013**

Section 2B.09 YIELD Sign Applications

- The OPTION statement was expanded to explain a YIELD sign may be used in place of a STOP sign if conditions warrant
- A STANDARD was added requiring a YIELD sign to assign right of way at the entrance to a roundabout intersection

Section 2B.10 YIELD Sign Placement

- The STANDARD was modified requiring a YIELD sign to be installed on both the left and right sides of roundabout approaches having greater than one lane
- GUIDANCE was added stating other than a DO NOT ENTER sign, no sign should be mounted back-to-back with a YIELD sign in a manner that obscures the shape of the YIELD sign
- **Compliance date – December 22, 2013**

Section 2B.11 Yield Here To Pedestrian Signs (R1-5, R1-5a)

- New section added providing a STANDARD for signs placed in advance of an unsignalized marked midblock crosswalk
- **Compliance date – December 22, 2013**

Section 2B.12 In-Street Pedestrian Crossing Signs (R1-6, R1-6a)

- New section added providing STANDARD and GUIDANCE on In-Street Pedestrian Crossing Signs

Section 2B.13 Speed Limit Signs (R2-1)

- GUIDANCE was added for displaying approach speeds on changeable message signs
- GUIDANCE was added for color of changeable message legend “ YOUR SPEED”
- **Compliance date – December 22, 2013**

Reduced Speed Ahead Signs (formerly R2-5 Series)

- This section was relocated from 2B.16 in the 2000 MUTCD to Warning Signs, Section 2C.30 in the 2003 MUTCD

Section 2B.17 FINES HIGHER Plaque (R2-6)

- This section was added to advise road users when increased fines are imposed for traffic violations within designated roadway segments

Section 2B.19 Turn Prohibition Sign (R3-1 through R3-4, and R3-18)

- New sign added (R3-18) combining the No Left Turn and the No U-Turn symbol signs
- The introduction of this sign suggests that using a No Left Turn symbol sign (R3-1) does not prevent the driver from making a U-Turn movement. This could impact many locations, because the Virginia State Police and the courts have historically interpreted the U- turn as a form of left turn, and the R3-1 was used to prohibit both movements

Section 2B.25 Reversible Lane Control Signs (R3-9d, R3-9f, through R3-9i)

- Removed R3-9c & R3-9e signs and all their references
- Replaced with R3-9d
- **Compliance date – December 22, 2013**

Section 2B.26 Preferential Only Lane Signs (R3-10 through R3-15)

- The FHWA changed the information about the design and application of these signs from GUIDANCE to STANDARD
- Refer to Figure 2B-7 for design changes
- A new GUIDANCE and SUPPORT section was added to ensure proper utilization of signs

- GUIDANCE was added for using Inherently Low Emissions Vehicle (ILEV) (R3-10b) sign
- **Compliance date – December 22, 2013**

Section 2B.27 Preferential Only Lanes for High-Occupancy Vehicles (HOVs)

- The STANDARD statement was modified to add requirements for when the minimum number of occupants in a vehicle using an HOV lane are in effect
- Support added for ILEV vehicle using HOV lanes

Section 2B.28 Preferential Only Lane Sign Applications and Placement

- Numerous changes affecting the application and placement of HOV signs, including STANDARD requirements were changed to OPTIONS
- STANDARD for direct access ramps was changed from overhead signing to ground mounted signing
- Figures 2E-46 through 2E-52 were added to show examples of HOV signing for entrances and exits from HOV lanes
- **Compliance date – December 22, 2013**

Section 2B.40 Design of Parking, Standing, and Stopping Signs

- Van accessible plaque and GUIDANCE for using it was added

Figure 2B-16 No Parking Signs (R7 Series)

- Signs added and modified. Of particular note is the R7-200 dual message for parking regulations and the R7-8a (and b) VAN ACCESSIBLE plaques

Figure 2B-18 Pedestrian Signs

- An OPTION statement was added allowing the use of the new R10-3d sign if the pedestrian clearance time is sufficient only for the pedestrian to cross to the median
- The new R10-3e sign includes the timer and phrase “TIME REMAINING TO FINISH CROSSING” which may be used with countdown pedestrian signals

Figure 2B-19 Traffic Signal Signs

- New design for NO TURN ON RED (R10-11)
- R10-11c and R10-11d were deleted (Left and Right symbols for No Turn on Red)
- R10-16 was added to give priority to the reciprocal right-turn moving with the mainline U-TURN

Section 2B.46 Photo Enforced Signs (R10-18, R10-19)

- A new section and signs were added
- STANDARD provided
- **Compliance date – December 22, 2013**

Figure 2B-21 Truck Signs

- The hazardous chemicals (HC) abbreviations was changed to hazardous materials (HM)
- **Compliance date – December 22, 2013**

CHAPTER 2C. WARNING SIGNS

Table 2C-2 Warning Sign Sizes

- Added a category with oversized dimensions for special applications where increased emphasis, improved recognition, or increased legibility is needed
- Increase the sizes of W4-1, W5-2, W6-3, and W12-1
- **Compliance date – January 17, 2008**
- Sizes changed for W1 Series Arrows signs, W7 Series truck runaway signs, W12-2p low clearance signs, and W10-1 advance grade crossing sign
- **Compliance date – December 22, 2013**

Section 2C.11 Truck Rollover Warning Sign (W1-13)

- A new section and STANDARD were added
- **Compliance date – December 22, 2013**

Section 2C.16 NARROW BRIDGE Sign (W5-2)

- The W5-2a symbol sign was removed; it must be replaced with the W5-2 sign
- **Compliance date – December 22, 2013**

Section 2C.21 DEAD END/NO OUTLET Signs

- The W14-1a and W14-2a plaques were re-designated from plaques to signs. These signs may now be used alone or with street name signs

Section 2C.28 BRIDGE ICES BEFORE ROAD Sign (W8-13)

- A new section and new sign were added

Section 2C.30 Speed Reduction Signs (W3-5, W3-5a)

- A new section and a new sign were added (These signs were formerly regulatory signs)
- **Compliance date – December 22, 2018**

Section 2C.31 Merge Sign (W4-1 and W4-5)

- When a merge sign is to be installed on an entering roadway that curves before merging with the major roadway the new W4-5 sign should be used in lieu of the W4-1 sign (formerly the only choice)
- **Compliance date - December 22, 2013**

Section 2C.32 Added Lane Signs (W4-3, W4-6)

- When an added lane sign is to be installed on a roadway that curves before converging with another roadway that has a tangent alignment at the point of convergence, the new W4-6 should be used in lieu of the W4-3 sign
- **Compliance date – December 22, 2013**

Section 2C.33 Lane Ends Signs (W4-2, W9-1, W9-2)

- Reintroduced sign W4-2 with redesign
- **Compliance date – December 22, 2013**

Section 2C.34 Two Way Traffic Signs (W6-3)

- Added to GUIDANCE that the W6-3 sign should be used with an AHEAD plaque to warn road users of a transition from a one-way street to a two-lane, two-way roadway. This is illustrated in Figure 2B-12, sheet 2.
- **Compliance date – December 22, 2008**

Section 2C.37 Intersection Warning Signs (W2-1 thru W2-6)

- The W2-6 circular intersection sign was redesigned
- An educational word message plaque (W16-12p) was introduced as an OPTION to accompany the W2-6 sign
- **Compliance date – December 22, 2013**

Figure 2C-6 Merging and Passing Signs

- Added new signs and reintroduced W4-2 with a new design

Section 2C.40 Vehicular Traffic Signs (W8-6, W11-1, W11-5, W11-5a, W11-8, W11-10, W11-11, W11-12p, and W11-14)

- Changed truck symbol, and added golf cart, second tractor design, and horse drawn vehicle signs
- Added Option – SHARE THE ROAD which may be mounted below the vehicular traffic signs
- **Compliance date – December 22, 2013**

Section 2C.52 High-Occupancy Vehicle (HOV) Plaque (W1611)

- A new section was added referencing HOV plaque

Section 2C.53 Photo Enforced Plaque (W16-10)

- A new section and plaque were added
- STANDARD provided
- **Compliance-December 22, 2013**

CHAPTER 2D. GUIDE SIGNS - CONVENTIONAL ROADS

Section 2D.03 Color, Retroreflection, and Illumination

- STANDARD and SUPPORT statements were added to clarify the use of color coding on guide signs by using different colored square or rectangular panels. Color coding is sometimes used to help road users distinguish between multiple potentially confusing destinations

Figure 2D-6 Illustrations of the Directional Assembly and Other Route Signs (For One Direction of Travel Only)

- All 3 illustrations were updated to reflect proper use of directional assembly and sign placement

Section 2D.38 Street Name Signs (D3-1)

- The STANDARD was modified for symbol and letter designations to restrict the height and width
- GUIDANCE was added for minimum letter sizes on multi-lane streets
- GUIDANCE was added recommending when to use overhead mounted street name signs and minimum letter heights
- **Compliance date – December 22, 2018**
- **We anticipate requesting an exception from the FHWA, so that the letter height requirements established in Mobility Management Division Memorandum TE-311 remain effective.**

Section 2D.39 Advance Street Name Signs (D3-2)

- A new section was added to describe the uses, placement, legend and lettering sizes for advance street name signs
- **Compliance date – December 22, 2018**

Section 2D.45 General Services Signs (D9 Series)

- Electric Vehicle Charging was added to the list of general service signs and an illustration was provided
- The words “CB Monitoring” were changed to CHANNEL 9 MONITORED (D12-3)
- New OPTION, STANDARD, and GUIDANCE statements were added regarding the use and design of the redesigned TRAVEL INFO CALL 511 (D12-5) sign
- **Compliance date – December 22, 2013**
- **VDOT’s sign message shall remain “TRAVEL INFO DIAL 511”**

Section 2D.46 Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location Signs (D10-1a through D10-3a)

- Changed Reference Posts to Reference Location Signs
- New Designs for Reference and Intermediate Location Signs provided
- **Compliance date of – December 22, 2013**

Section 2D.49 Signing of Named Highways

- STANDARD amended to include additional requirements for installing memorial signs

Section 2D.52 National Scenic Byways Signs (D6-4, D6-4a)

- A new section was added which includes SUPPORT, OPTION, and STANDARD statements that describe the National Scenic Byways program

CHAPTER 2E. GUIDE SIGNS—FREEWAYS AND EXPRESSWAYS

Table 2E-3 Minimum Letters and Numeral Sizes for Freeway Guide Signs According to Interchange Classification

- Sizes were added for every column in the row for Action Message Words
- A row was added for numerals and letters at the bottom of the table

Section 2E.28 Interchange Exit Numbering

- Revised STANDARD to require a space between the suffix letter and the exit number on an exit number plaque
- **Compliance date – January 17, 2008 (established with 2000 Edition)**
- GUIDANCE added for the use of LEFT with Exit Number because road users might not expect a left exit and have difficulty in maneuvering to the left
- **Compliance date – December 22, 2008**

Section 2E.49 Signing of Approaches and Connecting Roadways

- Rewritten to add new SUPPORT, GUIDANCE, STANDARD and OPTION statements, as well as five new figures

Section 2E.51 General Service Signs

- Criteria changed from requiring 3 meals per day to 2 meals per day to be served

Figures 2E-44 Examples of Rest Areas, Scenic Overlook, and Welcome Center Signs

- New figure layouts

Section 2E.54 Reference Location Signs and Enhanced Reference Location Signs (D10-4, D10-5)

- Entire section rewritten to reflect the new enhanced reference location signs
- **Compliance date – December 22, 2013**

Section 2E.57 Carpool and Ridesharing Signing

- Logo or symbol used in carpool information signs was reduced from 36” to 18”

Section 2E.59 Preferential Only Lane Signs

- New section was added providing STANDARDS, GUIDANCE, OPTIONS and FIGURES
- **Compliance date – December 22, 2013**

CHAPTER 2F. SPECIFIC SERVICE SIGNS

Section 2F.01 Eligibility

- The criteria for qualifying for food logo panels has changed from 3 to 2 meals per day

CHAPTER 2H. RECREATIONAL AND CULTURAL INTEREST AREA SIGNS

Figure 2H-2 Examples of General Directional Guide Signs for Conventional Roads

- New sign options provided

Figure 2H-5 Recreational and Cultural Interest Area Symbol Signs

- New symbols provided

CHAPTER 2I. EMERGENCY MANAGEMENT SIGNING

Section 2I.03 EVACUATION ROUTE Sign (EM-1)

- The design of this sign changed to a rectangular sign with a legend consisting of a blue circular symbol, a directional arrow, and the words EVACUATION ROUTE. This change reserves the circular shape sign exclusively for rail grade crossings.
- **Compliance date – December 22, 2018**

PART 3 MARKINGS

CHAPTER 3A. GENERAL

Section 3A.04 Colors

- A sentence was added to the STANDARD statement to explain, when used, blue raised pavement markers shall indicate fire hydrant locations along a roadway.
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CHAPTER 3B. PAVEMENT AND CURB MARKINGS

Section 3B.17 Crosswalk Markings

- The GUIDANCE for using transverse lines in crosswalks was added
- **Compliance date – December 22, 2013**

Section 3B.19 Pavement Word and Symbol Markings

- The GUIDANCE statement was revised to emphasize typical spacing of lane use arrows in a two-way, left-turn lane as shown in Figure 3B-7
- **Compliance date – December 22, 2008**

Section 3B.24 Markings for Roundabout Intersections

- A new STANDARD statement was added to indicate that bicycle lanes shall not be marked on roundabouts

Figures 3B-27 & 3B-28 Examples of Markings for Roundabout Intersections

- New designs provided

CHAPTER 3C. OBJECT MARKERS

Section 3C.01 Object Marker Design and Placement Height

- STANDARD statement was revised to indicate that the minimum width of both the yellow and black stripes on a Type 3 striped marker shall be 3 inches.
- **Compliance date – December 22, 2013**

CHAPTER 3E. COLORED PAVEMENTS

Section 3E.01 General

- STANDARD statement was revised to allow only yellow and white colored pavements to be used as traffic control devices
- Red was deleted as a traffic control device for approaches to stop signs

PART 4 HIGHWAY TRAFFIC SIGNALS

CHAPTER 4A. GENERAL

Section 4A.02 Definitions Relating to Highway Traffic Signals

- A number of definitions were revised and new definitions were added

CHAPTER 4C. TRAFFIC CONTROL SIGNAL NEEDS STUDY

Section 4C.01 Studies and Factors for Justifying Traffic Control Signals

- The OPTION was expanded to allow the use of left-turn volumes on the major street as the minor street volume

Section 4C.02 Warrant 1, Eight-Hour Vehicular Volume

- A new paragraph was added to the SUPPORT statement and a new GUIDANCE statement was added following the first OPTION statement, to better clarify the intended use of the combination of Conditions A and B under Warrant 1
- A new OPTION statement was added after the second STANDARD statement, to explain the use of 56% traffic volumes in place of 80% volumes in Table 4C-1

Table 4C-1 Warrant 1, Eight Hour Vehicular Volume

- The 56% factor was added along with a footnote explaining the limited circumstances where this option may be used

CHAPTER 4D. TRAFFIC CONTROL SIGNAL FEATURES

Section 4D.01 General

- A new STANDARD statement was added to limit the location of mid-block crosswalks.
- **Compliance date – December 22, 2013**

Section 4D.05 Application of Steady Signal Indications

- Item B.4 was added to the STANDARD list of applications for steady circular yellow signal indications
- **Compliance date – December 22, 2008**

Section 4D.06 Application of Steady Signal Indications for Left-Turns

- The definitions of a shared signal face and a separate signal face were added in the STANDARD statement for the Permissive Only Mode and the Protected/Permissive Mode
- Four requirements were added to the STANDARD statement for left-turn signal faces when operating in the Permissive Only Mode
- The new R10-21 sign replaced the R10-11 and R10-12 signs previously required when the left-turn signal face does not simultaneously display the same color of circular signal indication as the signal faces for the adjacent through movement in the Protected/Permissive Mode

Section 4D.12 Flashing Operation of Traffic Control Signals

- GUIDANCE was revised to specify a duration of at least 6 seconds for the RED clearance interval when changing from flashing mode to steady mode
- **Compliance date – December 22, 2013**

Section 4D.15 Size, Number, and Location of Signal Faces by Approach

- Increased the maximum distance from a stop line to 12” signal faces when no supplemental near side signals are required

CHAPTER 4E. PEDESTRIAN CONTROL FEATURES

Section 4E.04 Size, Design, and Illumination of Pedestrian Signal Head Indications

- The STANDARD was revised to disallow the use of the outline style symbols for pedestrian signal head indications
- A STANDARD was added to allow the use of animated eyes symbol

Section 4E.07 Countdown Pedestrian Signals

- New section added
- **Compliance date - December 22, 2013 (countdown pedestrian signal hardware)**
- **Compliance date – December 22, 2006 (operational requirements)**

Section 4E.10 Pedestrian Intervals and Signal Phases

- Added language in the STANDARDS for countdown pedestrian signals
- Changed the guidance for pedestrian clearance time to be sufficient for the pedestrian to travel to the far side of the traveled way
- **Compliance date – December 22, 2008**

PART 5

TRAFFIC CONTROL DEVICES FOR LOW-VOLUME ROADS

CHAPTER 5A. GENERAL

Section 5A.03 Design

- Criteria were added to the STANDARD for using minimum sign sizes

Table 5A-1 Minimum Sign Sizes on Low-Volume Roads

- Columns were added for Minimum and Oversized sign sizes

Section 5C.05 Narrow Bridge Sign (W5-2)

- The narrow bridge symbol sign (W5-2a) has been eliminated and should be replaced with the Narrow Bridge word message sign (W5-2)
- **Compliance date – December 22, 2013**

CHAPTER 5F. Traffic Control for Highway – Rail Grade Crossing

Section 5F.02 Highway – Rail Grade Crossings (cross-buck) sign (R15-1, R15-2)

- A statement was added to the STANDARD regarding the placement of retroreflective white material on the support of the sign

PART 7

TRAFFIC CONTROL for SCHOOL AREAS

CHAPTER 7A. GENERAL

Sections 7A.04, 7B.08 & 7B.09

- The language was changed in these sections to include the use of In-Street School Crossing Signs at unsignalized school crossings

Section 7A.04 Scope

- The language that prohibited the use of portable school signs was removed from the STANDARD, so they may now be used at unsignalized school crossings
- An OPTION statement was added allowing in-roadway signs for school traffic control areas when in compliance with sections 2B.12, 7B.08 and 7B.09

Section 7B.01 Size of School Signs

- The STANDARD was revised to reference Conventional Road, Minimum and Oversized signs. These labels were also changed in Table 7B-1

Figure 7B-1. School Area Signs

- School Advance Warning Assembly was added

Section 7B.11 School Speed Limit Assembly (S4-1, S4-2...S4-6, S5-1)

- GUIDANCE for the beginning point of a school speed zone in relationship to the school property line was changed from 300' to 100'.

Section 7B.12 Reduced Speed School Zone Ahead Sign (S4-5, S4-5a)

- New Reduced Speed Ahead signs were added for school speed zones to replace the previously used regulatory signs
- A paragraph was added to the STANDARD indicating the speed limit displayed on the "AHEAD" sign shall be identical to the speed limit displayed on the subsequent speed limit sign
- **Compliance date – December 22, 2018**

CHAPTER 7C. MARKINGS

- Changes were made throughout this chapter to be consistent with the changes made in Chapter 3B

CHAPTER 7E. CROSSING SUPERVISION

Section 7E.04 Uniform of Adult Crossing Guards and Student Patrols

- A Standard statement was added for safety apparel
- **Compliance date – December 22, 2018**

PART 8 TRAFFIC CONTROLS FOR HIGHWAY-RAIL GRADE CROSSINGS

CHAPTER 8A. GENERAL

Section 8A.01 Introduction

- Many definitions were either added or revised to provide clarity to the subsequent text in Part 8

Section 8B.03 Highway-Rail Grade Crossing (Crossbuck) Sign (R15-1) & Number of Tracks Sign (R15-2)

- The second STANDARD was revised to clarify the placement of retroreflective white material on the supports for highway –rail grade crossing Crossbuck signs
- **Compliance date – January 17, 2011 (Established with 2000 Edition)**

Table 8B-1. Sign Sizes for Grade Crossing Signs

- A new table was created to consolidate information previously contained elsewhere in the MUTCD

Section 8B.04 Highway-Rail Grade Crossing Advance Warning Signs (W10 Series)

- The STANDARD statement was revised and new language was added to better define the proper use of this sign series

Section 8B.06 Turn Restrictions During Preemption

- The blank-out word message signs (R3-1a, R3-2a) were added and may be used for turn restrictions during preemption

Section 8B.10 STOP HERE WHEN FLASHING Sign(R8-10)

- New section and optional sign

Section 8B.11 STOP HERE ON RED Sign (R10-6)

- New section and optional sign

Section 8B.19 Skewed Crossing Sign (W10-12)

- New section and STANDARD

Section 8D.07 Traffic Control Signals at or Near Highway-Rail Grade Crossings

- Additional STANDARD, GUIDANCE AND OPTION statements were added to provide clarity regarding the use of pre-signals at highway-rail grade crossings that are in proximity to signalized intersections
- **Compliance date – December 22, 2013**

PART 9 TRAFFIC CONTROL FOR BICYCLE FACILITIES

CHAPTER 9B. SIGNS

Section 9B.04 Bicycle Lane Signs (R3-17, R3-17a, R3-17b)

- The bicycle lane sign series was redesigned and the STANDARD and GUIDANCE were rewritten

Section 9B.05 BEGIN RIGHT TURN LANE YIELD TO BIKES Sign (R4-4)

- A GUIDANCE statement was added to clarify this sign should not be used in a right –turn lane drop situation

Table 9B-1. Minimum Sign Sizes for Bicycle Facilities

- The 2 sub-columns were changed to better distinguish the sign sizes used on roadways and shared-use paths

Section 9B.06 Bicycle WRONG WAY Sign and RIDE WITH TRAFFIC Plaque (R5-1b, R9-3c)

- New section was added to provide GUIDANCE and OPTION statements for these new signs

Section 9B.12 Bicycle Signal Actuation Sign (R10-22)

- New section was added to provide an OPTION and GUIDANCE for the new sign that may be used with the new bicycle detector pavement marking symbol (Figure 9C-7)

Section 9B.17 Bicycle Warning Sign (W11-1)

- The word “Crossing” was removed from this sign, so it may be used in other bicycle related activities

Section 9C.04 Markings For Bicycle Lanes

- The STANDARD was revised to remove a distance requirement for the placement of lane symbol markings from crossroads. A new statement was added prohibiting the placement of bicycles lanes to the right of a right turn only lane
- GUIDANCE was provided for other right turn lane scenarios. GUIDANCE and SUPPORT statements were added recommending that pavement markers and posts not be used to separate bicycle lanes
- A new STANDARD was added which prohibits the placement of bicycle lanes in roundabouts or circular roadways

CHAPTER 9D. SIGNALS

Section 9D.02 Signal Operations for Bicycles

- The STANDARD was revised to require that signal timing and actuation be reviewed and adjusted to consider the needs of bicyclists